

# PC Seal Flex



## Two Component Flexible Cementitious Waterproofing Coating

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### Product Overview

PC Seal Flex is a two part acrylic polymer modified cementitious coating. Part A is an acrylic emulsion and Part B is a polymer modified cementitious powder. On mixing both Part A and Part B together, a brushable consistency material is achieved which can be applied by a stiff brush, roller or a simple trowel to get desired thickness.

### Areas of applications

1. Retaining walls
2. Wet areas of kitchen, toilet floors, balconies, bathrooms
3. Substructures and facade damp-proofing
4. Podiums
5. Decks and terrace Roofs.

### Properties

1. PC Seal Flex acts as a barrier for carbon dioxide, chloride and sulphate ions which are known to be toxic.
2. PC Seal Flex provides heavy duty and durable resistance to long term weathering of structures.
3. It is non-toxic, non-flammable and safe for potable water tank.
4. It's thermal expansion is same as concrete.
5. It creates an excellent bond with concrete and masonry.
6. It fills up the cracks completely.

### Guidelines for Usage

#### Phase 1: Preparation of the surface

In order for PC Seal Flex to perform better, the first step is to make the surface clean, free from grease, wax, oil or anything which is sticky and which would hamper the adhesive properties of the product. Concrete surfaces can be easily cleaned using water jet with high pressure or by grit blasting.

#### Phase 2 : Mixing

Part A should be taken into metal or plastic container. Then slowly add Part B into the container. Simultaneously mix the entire contents using a mixing paddle at medium speed. Then add water in specified proportions (max. 3 ltrs.). Mix the entire contents slowly for 3-5 minutes to avoid formation lumps. While applying keep stirring the mixture for better performance.

### Dosage and Measures

Mixing ratio = 3 (PC Seal Flex - Part B) : 1 (PC Seal Flex - Part A) : 0.5 (water)

The surface should be necessarily damp. To incorporate the protective properties of PC Seal Flex, the appropriate ratios of application should be observed. A short brush with 120-150 mm width should be used and be applied as a paint. PC Seal Flex shall not be applied if the temperature is less than 10°C. While applying PC Seal Flex on hot surfaces which are over 30°C, the surface has to be saturated with water. It is applied in 2 coats to achieve the thickness of 1mm. The second coat can be applied immediately after the first coat dries. For general use, PC Seal Flex should be applied with a

thickness of 1mm. Areas which are subjected to moderate or heavy loads or pressure, 2 mm thick coating is recommended underneath the screed. The coating needs to be dried before it is covered with screed. It is recommended to sprinkle some sand on wet surface so that final coat adheres well to the screed. The product dries within 4-6 hrs at normal temperature. The remaining or hardened material have to be removed mechanically.

## Packages Available

Part A (acrylic emulsion part) : 5 kg packs

Part B (cementitious powder part) : 15 kg packs

## Material Utilization

Part A (5 kg) + Part B (15 kg) of PC Seal Flex can cover an area up to 12-14 m<sup>2</sup>.

## Storage and Shelf life

PC Seal Flex should be stored in a dry and undamped place. Its shelf life is 6 months when stored under proper conditions.

## Safety Measures

1. PC Seal Flex is a non toxic material which is alkaline in nature. While working with the materials gloves, safety goggles, and safety shoes should be used.
2. Any skin or eye contact should be washed off immediately. In case of prolonged irritation kindly consult a doctor.
3. Use of dust mask while handling the material is highly advised.

## Technical data

Pot life	30 minutes at 30 °C
Mixed Density	1.68 gm/cc with brushable consistency
Tensile strength (ASTM D638)	0.75 N/mm <sup>2</sup> at 1.5 mm thickness
Colour	Grey
Application temperature	Not less than 10 °C
Adhesion to concrete	Excellent
Toxicity	Non-toxic
Static crack accommodation	1 mm

For further clarifications Please contact on below address

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